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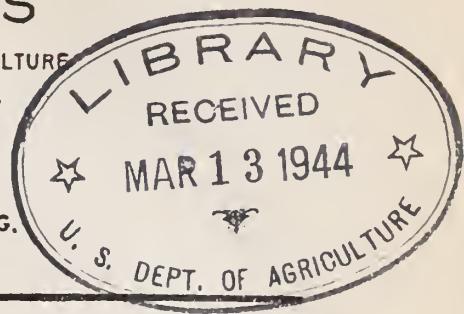


COTTON LITERATURE

SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING.
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.



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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONGeneral

India. Sind. Department of agriculture. Annual report for the year 1932-33. 135pp. Bombay, Govt. central press, 1934.

Cotton improvement, pp.14-19; extension scheme, pp.53-56; agronomic and botanical investigations, pp.70-79, etc.

Sudan. Gezira agricultural research service.

Annual report for the year ended 31st December 1933. 182pp., illus., mimeogr. [1934?]

Most of report is on cotton experiments, including work on cotton pests.

Botany

Afzal, Mohammed. A peculiar cotton plant. Current Science 3(5): 206. Nov. 1934. (Published by Indian Institute of Science, Hebbal P. O., Bangalore, India)

Molissoni cotton (*G. indicum* var. *mollisoni*, Gammie)

Beasley, J. O. Soda straws in hybridizing cotton. Jour. Heredity 25(12): 502. Dec. 1934. (Published at Victor Bldg., Washington, D.C.)

Crowther, Frank. Studies on growth analysis of the cotton plant under irrigation in the Sudan. I. The effects of different combinations of nitrogen applications and water-supply. Ann. Bot. 43(192): 877-913. Oct. 1934. (Published by Oxford University Press, Amen House, Warwick Square, London, England)

Literature cited: p.913.

Harland, S. C. Two cases of linkage in New World cottons. Trop. Agr. [Trinidad] 11(12): 316, tables. Dec. 1934. (Published by the Imperial College of Tropical Agriculture, St. Augustine, Trinidad, B.W.I.)

References, p.316.

The author discusses linkage between green lint and crinkled cotton and between red coloration and the cluster habit.

Agronomy

Anhour, Joseph. Notes pratiques sur la culture du coton Sakellaridis dans les terres de moyenne capacité. Bulletin de l'Union des Agriculteurs d'Egypte 31(243): 823-825. Dec. 1933. Cairo, Egypt)

Practical notes on the culture of Sakellaridis cotton on land of medium productivity.

"Clayey or clay-silicious soils are very favourable to the culture of Sakel. Silicious-clay soils are less favourable, and instructions are given for their treatment." - Empire Cotton Growing Rev. 11(4): 335. Oct. 1934. (Abstr. in Coton et Culture Cotonnière 8(3): 193. 1933.)

Cromarty-Tulloch, J. Cotton growing in the Gezira.

Near East and India 43(1213): 747-748. Sept. 20, 1934. (Published at 170, Strand, London, W.C.2, England)

Describes irrigation methods and problems in the Sudan.

Georgia cotton fertilizer experiment. Amer. Fertilizer 81(8): 24, 26, tables. Oct. 20, 1934. (Published at 1330 Vine St., Philadelphia, Pa.)

"The Georgia Experiment Station has been conducting experiments on fertilizer application on cotton the tests being made in cooperation with the Bureau of Chemistry and Soils, U.S. Department of Agriculture. In this experiment 43 different combinations of phosphorus, nitrogen and potassium were applied to cotton in five locations in the state."

Havass, G. Über versuch zur eingliederung der baumwollkultur in Ungarn. Faserforschung 11(3): 166-172. 1934. (Published at Königstrasse 2, Leipzig, cl., Germany)

Experiments in the naturalization of cotton culture in Hungary.

India. Central Provinces and Berar. Department of agriculture. Report on demonstration work carried out in the Southern Circle for the year ending the 31st March 1934. 73pp. Nagpur, 1934.

Brief information and statistics on cotton, pp. 3, 6-8, 11-12, 28.

India. Central Provinces and Berar. Department of agriculture. Report on demonstration work carried out in the Western Circle for the year ending the 31st March 1934. 65pp. Nagpur, 1934.

Brief information on cotton varieties, etc., in various reports.

P., J. Rariétés. Le problème du coton dans l'état de Sao Paulo. Agronomie Coloniale 23(2035): 148-150. Nov. 1934. (Published by Institute Nacional d'Agronomie Coloniale, Ministère des Colonies, Paris, France)

Varieties. The problem of cotton in the State of Sao Paulo.

Paez, Jorge, and Lamas, Jose. Informe sobre el viaje de inspección a los cultivos de algodón de los valles de Supe y Pativilca. Lima, Peru, Estación experimental agricola, Informe 26, 24pp., illus. Lima. 1934.

Report of a tour of inspection of cotton cultivation in the valleys of the Supe and Pativilca.

Rhodesia, Northern. Department of agriculture. Annual report for the year 1933. 27pp., tables. Livingstone. 1934

Cotton investigations, p.8.

Schreiner, O., and Skinner, J. J. Adaptation of fertilizers for cotton soils. Amer. Fert. 81(12): 5-7, 28, 30. Dec. 15, 1934. (Published by Ware Bros. Company, 1330 Vine St., Philadelphia, Pa.)

Skinner, J. J., Lineberry, R. A., Adams, J. E., Williams, C. B., and Mann, H. B. Experiments with nitrogen fertilizers on cotton soils. U.S. Dept. Agr. Tech. Bull. 452, 28pp., maps, tables, charts. Washington, D. C. 1934.

Literature cited, p.28.

"Results of experiments are reported showing the relative effects of various sources of inorganic, synthetic, and organic nitrogen in fertilizers for cotton on the principal soils of the southeastern Cotton Belt."

Sobrinho, A. M. Adubacao racional do algodao. Algodao 1(1): 27-28, table, chart. Nov. 1934. (Published at Rio de Janeiro, Brazil)

Balanced fertilizing of cotton.

Diseases

Faria, Carlos. A antracnose do algodao. Algodao 1(1): 29-30, illus., table. Nov. 1934. (Published at Rio de Janeiro, Brazil)

Anthracnose of cotton.

Insects

Lopez-Dominguez, F. A. Informe annual de la

Estacion experimental insular del Departamento de agricultura y comercio de Puerto Rico. Ano fiscal 1932-33. 125pp. San Juan, P. R., Negociado de materiales, imprenta y transporte, 1934.

Oruga rosada del algodon [Pectinophora gossypiella Saunders]. (Pink bollworm of cotton), pp. 95-96.

United States Department of agriculture. Bureau of entomology and plant quarantine. Modification of pink bollworm quarantine regulations. U.S. Dept. Agr. B.E.P.Q.-52, 3pp. [Washington, D. C.] 1934.

Revision of regulation 3, effective October 31, 1934.

Wille, J. El piojo blanco en los valles del Sur. La Vida Agricola 11(129): 653-658, illus., tables. Aug. 1934. (Published at Lima, Peru)

To be continued.

The white (cotton) louse in the valleys of the South.

Farm Management

A compilation of experimental and other data on winter legumes. Miss. Agr. Expt. Sta. Bull. 303. 37pp., illus., tables. State College. 1934. Gives cost per acre to produce corn and cotton after winter legumes.

Singh, S. N., and Singh, S. A. Farm accounts in the Punjab, 1932-1933. India. Punjab. Bd. Econ. Inquiry, Pub. 35, 266pp., tables, charts. Lyallpur. 1934.

Costs of producing cotton and farm incomes are included.

Production Credit

[Farm credit administration. Co-operative division] Three financing methods available for farmers' co-op purchasing associations. Capital may be obtained through sale of stock, sale of memberships and by borrowed money or credit. Tex. Co-op. News 14(12): 2. Dec. 1, 1934. (Published at 1100 South Ervay St., Dallas, Tex.)

Farm Social Problems

Farmers sentenced to death. Cotton Ginner's Jour. 6 (3): 10. Dec. 1934. (Published at 109 Second Ave., Dallas, Tex.)

Comment on the press report that Russian cotton farmers were sentenced to death for neglecting cotton crops and thus interfering with the government's cotton production program.

Hoffsomer, H. C., and Boyer, P. B. The cotton growing area of the Old South, Monroe County, Mississippi. Fed. Emergency Relief Admin. Div. Research, Statis., and Finance. Research Sect. Rural Problem Areas Survey 11, 6pp., tables, mimeogr. [Washington, D. C.] 1934.

Summary of a manuscript report on the condition of families on relief in Monroe County, Mississippi, the economic bases for the situation, and the prospects of rehabilitation.

Miller, Dale. AAA aggravates Negro problem in the South. Tex. Weekly 10(48): 8-9. Dec. 1, 1934. (Published at McKinney at Fairmount, Dallas, Tex.)

AAA "cotton program produces critical situation in displacement of Negro farm labor, but Dale Miller believes most serious effect is upsetting of equilibrium in social order."

Wallin, Z. B., and Carter, S. R. The western cotton growing area, Tillman County, Oklahoma. Fed. Emergency Relief Admin. Div. Research, Statis., and Finance. Research Sect. Rural Problem Areas Survey Rept. 10, 5pp., tables, mimeogr. [Washington, D. C.] 1934.

Summary of a manuscript report on the condition of families on relief in Tillman county, and the economic bases for the situation.

Woofter, T. J. The subregions of the southeast. Social Forces 13(1): 43-50, illus., tables. Oct. 1934. (Published for the University of North Carolina Press, by the Williams & Wilkins Co., Baltimore, Md.)

An analysis of cotton and other areas upon which social planning programs and research can be based.

Cooperation in Production

The National cotton convention. Mid-South Cotton Assoc. News 12(5): 4. Dec. 1934. (Published at Memphis, Tenn.)

The organization of the Mississippi Valley Cotton Planters' Association in 1879 is described.

PREPARATION

Ginning

Adams, Orville. Consider Diesel power for oil mill

and gins. Cotton and Cotton Oil News 35(51): 3-4. Dec. 22, 1934. (Published by Ginner and Miller Publishing Co., P. O. Box 444, Dallas, Tex.)

15 years of co-operative ginning. Okla. Farmer-Stockman 47(23): 7,16, illus. Dec. 1, 1934. (Published at Oklahoma City, Okla.)

Records fifteen years of profitable operation of farmer-owned cooperative gins in Texas.

National ginners' conference meets in Memphis. Cotton Ginners' Jour. 6(3): 6. Dec. 1934. (Published at 109 Second Ave., Dallas, Tex.)

"The first annual meeting of the National Cotton Ginners' Conference was held in Memphis, Tenn., Monday, November 26 ... The question of organizing a National Cotton Ginners' Association was fully discussed."

Officers of the National Ginners' Conference were elected and a program adopted.

Also reported in Cotton and Cotton Oil News 35(48): 9. Dec. 1, 1934; Cotton Oil Press 18(8): 27. Dec. 1934.

[Texas cotton ginners' association] Directors hold important meeting. Co-operation of all ginners needed. Cotton Ginners' Jour. 6(3): 5,15-16. Dec. 1934. (Published at 109 Second Ave., Dallas, Tex.)

Meeting of directors of Texas Cotton Ginners' Association in Dallas, Texas, November 6, 1934. Topics discussed included federal loans for independent ginners, payment for administering Bankhead Law; a permanent plan for agriculture; organization of National Cotton Ginners' Association, or the strengthening of the National Cotton Ginners' Conference; increasing membership in Texas Cotton Ginners' Association.

Baling

Sisal as a cotton bale covering. Some spinning tests on causes of end breakages indicate that breakages due to the covering, whether sisal or jute, are negligible. Textile Manfr. 60(717): 349,355, tables. Sept. 1934. (Published by Emmott & Co., Ltd., 31 King St. West, Manchester, 3, England)

Tests made "under the supervision of an expert from the Shirley Institute," and by an independent observer are described.

MARKETING

General

Annual cotton handbook for daily cable records of American, East Indian and Egyptian crops, together

with Liverpool, Brazilian, continental, &c., statistics; containing much useful and reliable information for the cotton trade. Season 1934-35. 345pp., tables. London, Comtelburo, Ltd., 1934.

Sixty-fourth year of publication.

Field, F. V., ed. Economic handbook of the Pacific area; Foreword by Newton D. Baker. 649pp., map, tables. Garden City, New York, Doubleday, Doran & Co., Inc., 1934.

Raw cotton production, consumption, and trade, pp.575-583; Cotton textiles production and international trade competition, pp.583-591.

Karachi Indian merchants' association. Report for the year 1933. 171pp., tables. [Karachi, India] 1934.

Partial contents: Presidential address, pp.24-35, (includes consideration of the tariff policy of the government, and trade agreements with the United Kingdom and Japan); Steamer freight on cotton exported from Karachi to Bombay, p.55; Protection to cotton textile industry, p.67; Additional import duty on piece goods, p.68; Enhancement of terminal tax on cotton, p.75; Standardisation of weights and measures for cotton transactions throughout India, p.76.

McFadden, J. H., jr. Trade review. Cotton Digest 7(12): 9-10. Dec. 29, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

"The most encouraging aspect of the cotton trade during the past year has been the increase in the general price level of cotton and perhaps also the total returns to growers from the sale of cotton and cottonseed."

Maluste, D. N. Agriculture and industry in China. Indian Jour. Econ. 15(2): 167-186, tables. Oct. 1934. (Issued by the Dept. of Economics and Commerce, University of Allahabad, Allahabad, India)

Cotton production, p.175.

Cotton textile industry, pp.181-186.

The Manchester cotton association limited. Annual meeting of members. Cotton [Manchester] 40(1943): 9-12. Dec. 1, 1934. (Published by the Manchester Cotton Assoc., Ltd., 411 Fourth Floor, Royal Exchange, Manchester, 2, England)

Topics discussed included arbitration, use of sisal bale covering, false packed bales, possibility of making Manchester cotton tenderable . . .

against Liverpool futures contracts, United States taxes on futures transactions, changes in Alexandria Sakel contract, watering Egyptian cotton, ocean freight rates between Egypt and England, and use of Indian cotton.

New York cotton exchange. Cotton year book...1934. Prepared under the direction of Alston H. Garside. 231pp., tables. [New York] New York cotton exchange, 1934.

Contains statistics of cotton production, consumption, carryover, supply, distribution, prices and movement.

Demand and Competition

Ashton, H. "Fibro" production and processing on standard cotton machinery. Textile Weekly 14(350): 321-322, table, chart. Nov.16,1934. (Published at 49, Deansgate, Manchester, 3, England)

From a lecture at the Textile Institute, November 9,1934.

"'Fibro' is a textile raw material, a staple fibre made from viscose rayon, which is itself a synthetic material, a joint product of the chemist and engineer. It is made by cutting into staple lengths, suitable for processing in the various branches of the textile industries, the continuous filaments characteristic of the rayon manufacture."

Also in Textile Mercury and Argus 91(2383): 453, table, chart. Nov.16,1934; Silk Jour. and Rayon World 11(126): 18-19, illus. Nov.20,1934.

Ashton, T. S. Economic and social investigations in Manchester, 1833-1933; a centenary history of the Manchester statistical society; with an introduction by the Earl of Crawford and Balcarres, and an index of reports and papers of the society. 179pp., illus., tables. London, P.S.King & Son, Ltd., 1934.

Briefly reviews growth and social factors in the British cotton industry from 1825 to 1892, pp.108-111.

[Bachmann, Werner] Aussenhandelsprobleme in der deutschen textilwirtschaft. Spinner und Weber 52(49): 24. Dec.7,1934. (Published at Gellertstrasse 7/9, Leipzig, Germany)

The foreign trade problem in the German textile industry.

Speech before the "Textilfachgruppen der reichsberufsgruppen in der deutschen arbeitsfront," November 23, 1934.

Bailey, H. L. Export and import problems of the cotton

textile industry. Textile Bull. 47(16): 3-4, 18. Dec. 20, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

Address before annual meeting of Cotton Textile Institute by the chairman of the Export and Import Committee of the Cotton-Textile Code Authority.

Britain's share in Canada's larger import trade.

Where America's loss has been Lancashire's gain. Textile Mercury and Argus 91(2384): 464. Nov. 23, 1934. (Published at 41 Spring Gardens, Manchester, England)

The table shows comparative imports into Canada of cotton goods "from the United Kingdom and the United States for the first nine months of 1934 and 1933, with percentage changes."

Broeckelmann, W. Is cotton threatened? Cotton Digest 7(8): 5. Dec. 1, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

The author quotes from a speech by Dr. Hjalmar Schacht regarding the development of artificial fibers in Germany.

[Busch, Hermann] Vistra and woolstra. Cotton Digest 7(8): 14. Dec. 1, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

Letter stating that "Our experience has been very successful with vistra, woolstra and other artificial fibres, and we have built up a sizeable export business in these goods. Our goods can be washed like any other cotton and wool goods, they can stand rain and water in every respect without crumpling... These various fibres can all be produced from materials within Germany."

Can we export textiles? Amer. Wool & Cotton Rptr. 48 (49): 1, 37-38. Dec. 6, 1934. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Includes discussion of the development of the cotton industry in Japan, and a criticism of Alston H. Garside's article, "Our Cotton Trade With Japan."

Chinese cotton waste, a threat. Unsavory stockings coming into United States. Bedding Manfr. 29(5): 34. Dec. 1934. (Published by the Better Bedding Alliance of America, 608 S. Dearborn St., Chicago, Ill.)

A protest against the importation of "China Fly Cotton."

Cope, R. F. Gaston Mills have interesting history.

Textile Bull. 47(13): 6, 8-9. Nov. 29, 1934. (Published by Clark Publishing Co., 118 West 4th St.,

Charlotte, N. C.)
From Gastonia Gazette.

The cotton spinners' schemes. Far reaching changes proposed. Textile Recorder 52(620): 18-19. Nov. 15, 1934. (Published at Old Colony House, Manchester, 2, England)

"Impressions gathered during the three weeks in which the Lancashire cotton spinning trade have been considering the two distinct and separate schemes presented by the Federation of Master Cotton Spinners Associations, Ltd., indicate that proposals for redundancy appear to have a greater consideration and actually a greater support than have those for the proposed Cotton Spinners' Association."

[Cotton-textile institute] Leaders discuss textile industry's problems. Com. and Finance 23(50): 989-990, illus. Dec. 12, 1934. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Report of annual meeting of Cotton Textile Institute at New York, December 5, 1934.

Also reported in Textile World 84(13): 2392-2393. Dec. 1934; Textile Bull. 47(15): 12. Dec. 13, 1934; and Amer. Wool and Cotton Rptr. 48(50): 11-12. Dec. 6, 1934.

Coulson, A. F. W. The American cotton industry. A study of conditions in the U.S.A. from September, 1933 to date. Textile Weekly 14(352): 367-368. Nov. 30, 1934. (Published at 49 Deansgate, Manchester, 3, England)

To be continued.

The author reports on his trip to the United States to study the effects of the code on the cotton-textile industry.

[Cox, A. B.] Dr. A. B. Cox writes Secretary Wallace. Cotton Digest 7(8): 8-9. Dec. 1, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

Extracts from the letter are quoted.

The writer maintains that other factors "than the unfavorable rate of exchange between the United States and other countries should be considered in any analysis of the decline in United States cotton exports."

Fall River, New Bedford cotton industries. Amer. Wool and Cotton Rptr. 48(48): 23. Nov. 29, 1934. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Statistics issued by the Massachusetts Department of Labor and Industries for 1933 relating to the cotton goods industries of Fall River, New Bedford, and

Lewell are given.

[Gupta, S. N.] Report of the Indian government trade commissioner, Hamburg, for 1933-34. Indian Trade Jour. 114(1475): 1508-1546, tables. Sept. 27, 1934. (Published by the Department of Commercial Intelligence and Statistics, Calcutta, India)

Imports of Indian cotton into northern European countries are discussed, pp. 1516-1517; imports of cottonseed are mentioned, p. 1525.

Hammersley, S. S. The Lancashire textile mission to India. Asiatic Rev. (n.s.) 30(101): 73-81. Jan. 1934. (Published by East and West, Ltd., Westminster Chambers 3, Victoria St., London, S. W. 1, England)

Paper read at meeting of the East India Association, London, Dec. 12, 1933. Discussion, pp. 82-95. The work of the Mission which met in Simla, India, with representatives of Indian and Japanese mills, is reported.

Highfill, J. V. No loss of cotton markets seen in AAA cotton plan. Mid-South Cotton Assoc. News 12(4): 2. Nov. 1934. (Published at Memphis, Tenn.)

"Foreign Cotton Situation Series No. 1, by ... Assistant Agricultural Editor, Arkansas Extension Service."

Hood, Robin. A bibliography on southern labor.

Social Forces 13(1): 133-137. Oct. 1934. (Published for the University of North Carolina Press by the Williams & Wilkins Co., Baltimore, Md.)

Labor in the textile industry is especially mentioned.

Husein Ala. "The Shah as cotton mill owner." Manchester Guardian Com. 29(753): 405. Nov. 23, 1934. (Published at Manchester, England)

Letter from the Persian Minister regarding an article with the above title in the November 2 issue of the publication.

The Indian hand-loom cotton industry. Textile Manfr. 60(717): 351, 354, illus. Sept. 1934. (Published by Emmott & Co., Ltd., 31 King St. West, Manchester, 3, England)

"An estimate of the present position and prospects of the Indian handloom weaver."

Institute of Pacific relations. Problems of the Pacific, 1933; economic conflict and control. Proceedings of the Fifth conference of the Institute of Pacific relations, Banff, Canada, 14-26 August, 1933; edited by Bruno Lasker and W. L. Holland. 490 pp., tables. Chicago, Ill., The University of Chicago.

press, [1934]

Partial contents: Japanese expansion (including statement regarding the Indian-Japanese cotton conference at Simla), pp.119-153; Ottawa, a co-operative attempt at recovery, pp.201-214; Rural industries in China, by H.D.Fong (including a case study of the cotton handloom industry of Kaoyang), pp.299-351.

Intercambio commercial algodoeiro entre o Brasil e Japao. Algodoao 1(1): 33-34, illus., table. Nov. 1934. (Published at Rio de Janeiro, Brazil)

Commercial cotton trade between Brazil and Japan.

International labor office, Geneva. Industrial labour in Japan. 413 pp., tables. London, P.S.King & Son, Ltd., 1933. (Studies and reports. Ser.A. (Industrial relations) No.37)

Includes mention of the cotton textile industry and a brief description of the Japan Cotton Spinners' Association (Dai Nihon Bōseki Rengō Kai)

Japanese competition as seen by themselves. Indian Textile Jour.45(529): 13. Oct.1934. (Published at Military Square, Fort, Bombay, India)

Extracts from a report by a Japanese trade mission "that spent four months in visiting the South Sea Islands, India, Asia Minor, and Europe."

Japanese cotton mill equipment and organisation. Authentic statements referring to Japanese mill conditions and equipment. Textile Manfr.60(716): 308. Aug.1934. (Published by Emmott & Co., Ltd., 31, King St. West, Manchester, 3, England)

From article in Flatt's Bulletin.

Japan's present-day cotton industry. A review in the 1934 annual number of the "Asahi". Indian Textile Jour.45(529): 14-16, chart. Oct.1934. (Published at Military Square, Fort, Bombay, India)

Lancashire and India. Cotton trade advised to take long view. Textile Mercury and Argus 91(2384): 463. Nov.23,1934. (Published at 41 Spring Gardens, Manchester, England)

Comment on the report of the Joint Select Committee on Indian Constitutional Reform.

The Lancashire cotton trade and the India market. The proposed new trade agreement. Deputation to the Board of trade. Manchester Chamber of Com. Mo. Rec. 45(11): 333-335. Nov.30,1934. (Published at Ship Canal House, King St., Manchester, England)

A summary of the views of the deputation and

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Mr. Runciman's reply is given.

Lancashire Indian cotton committee. Manchester Chamber of Com. Mo. Rec. 45(11): 343-344. Nov. 30, 1934. (Published at Ship Canal House, King St., Manchester, England)

Report of meeting held November 13, 1934. The question of exhibits of Indian cotton was considered.

McElroy, J. J. Stretch-out calculations for determining proper number of looms per weaver and expected efficiency. Textile World 84(13): 2428-2429, tables, charts. Dec. 1934. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

Marsden, Dunhill. Japan--as your competitor. Cotton [Atlanta] 98(12): 51-52, 95. Dec. 1934. (Published by W. R. C. Smith Publishing Co., Atlanta, Ga.)

The development of the Japanese textile industry is discussed.

[Meynell, Henry] New hope for Lancashire industry if cotton men will modernise. Object lesson from competitors. Textile Mercury and Argus 91(2382): 414. Nov. 9, 1934. (Published at 41 Spring Gardens, Manchester, England)

Extracts from address at Waterhead Mutual Technical School. Developments in Japan are mentioned.

Mills, Fred. The reorganization & redundancy scheme of the Federation of master cotton spinners' associations. Textile Weekly 14(351): 347-348. Nov. 23, 1934. (Published at 49 Deansgate, Manchester, 3, England)

Address "at a meeting of the Cotton Mill Managers' Association, Oldham," England, November 16, 1934.

Prichard, W. M. Will foreign countries get the cotton business regardless of America's program? This writer thinks so. Cotton and Cotton Oil News 35 (49): 9. Dec. 8, 1934. (Published by Ginner and Miller Publishing Co., P.O. Box 444, Dallas, Tex.)

Letter to the editor.

Richardson, T. C. Farmers must choose. Farm and Ranch 53(23): 14. Dec. 1, 1934. (Published at 3306 Main St., Dallas, Tex.)

The author discusses the question, "Is the loss of world markets chargeable to the AAA and the Bankhead law, or is that loss due to other causes?"

Sen, Sudhir. Der aussenhandel, 1933/34. Wirtschaftsdienst 19(30): 1036-1037, tables. July 27, 1934. (Published at Poststrasse 19, Hamburg 36, Germany)

Foreign trade 1933/34.

"Statistics of India's imports and exports are tabulated and analysed. The exclusion of Japanese cotton goods from India is held to benefit the cotton trade of India rather than that of Lancashire." - Jour. Textile Inst. 25(10): A515. Oct. 1934.

Short, H. C. The use of Indian cotton. Manchester Chamber of Com. Mo. Rec. 45(11): 342. Nov. 30, 1934. (Published at Ship Canal House, King St., Manchester, England)

The Lancashire Indian Cotton Committee's new cotton commissioner for India discusses possibilities of adapting Lancashire mills to the medium-stapled cotton of India, the price of which is low enough to compensate for the greater amount of waste than is found in American cotton.

Sirrine, J. E. The truth about "stretch-out".

Textile Bull. 47(15): 3-4, 27. Dec. 13, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

An address before the annual meeting of the Cotton Textile Institute, at the Biltmore Hotel, New York City, December 5, 1934.

Also in Amer. Wool and Cotton Rptr. 48(50): 9-10, 15. Dec. 13, 1934.

Sloan, G. A. Warns against 30-hour week. Fibre and Fabric 87(2601): 6-7. Dec. 8, 1934. (Published at 465 Main St., Cambridge, Mass.)

Excerpts from radio address over Station WJZ, which was "in part a digest of the speech he recently gave in Nashville, Tenn."

Textile employers on labor relations. Inform. Serv. 13(43): [3]. Dec. 22, 1934. (Published by the Department of Research and Education, Federal Council of the Churches of Christ in America, 105 East 22nd St., New York, N.Y.)

Comment on "the statement of principles governing industrial relations issued October 26, 1934, by the cotton textile manufacturers."

Textile industry makes steady progress in South America. Prosperous British-owned cotton mills. Textile Mercury and Argus 91(2385): 488. Nov. 30, 1934. (Published at 41 Spring Gardens, Manchester, England)

"A record of steady progress in the development of the textile industry in Peru is given in a report on economic conditions in that country prepared by Mr. Darrell Wilson, commercial secretary to the British Legation at

Lima, and published by the Department of Overseas Trade." Extracts from this report are given.

Thomas, J. S. What the machine is doing to mankind. Amer. Railway Devlpmt. Assoc. Proc. 24: 88-104, tables. June 15-17, 1932.

The author answers the charge that the machine throws men out of work by showing that in England between 1831 and 1911 "while the population was doubling the cotton workers were trebling."

Thompson, S. E. The opportunity for textile mills to reduce cost of manufacturing and selling. Textile Bull. 47(16): 5-6, 12-13. Dec. 20, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.).

To be continued.

An address before meeting of Textile Section of American Society of Mechanical Engineers in New York.

Opportunities suggested are the development of new products and the improvement of quality.

L'Union suisse du commerce et de l'industrie. Rapport sur le commerce et l'industrie de la Suisse in 1933. 269pp., tables. [Zurich, 1934]

Report on the commerce and industry of Switzerland in 1933.

Industrie du coton (Cotton industry), pp. 75-87.

Uno, Yonikichi. Cotton waste as a material for rayon manufacture; a Japanese idea. Textile Manfr. 60 (717): 369. Sept. 1934. (Published by Emmott & Co., Ltd., 31, King St. West, Manchester, 3, England)

The article gives "sidelights on Japanese views of self-sufficiency and conditions in cotton spinning and rayon production. It describes how Japanese cotton spinners, who are also rayon manufacturers, propose to solve some technical problems, and also Japanese problems of pulp supply for rayon by using some of their cotton waste."

Wages and hours of work in the textile industry (cotton and wool) Internat'l. Labour Rev. 30(3): 387-418, tables. Sept. 1934. (Published for the International labour office (League of nations) by George Allen and Unwin, Ltd., Ruskin House, 40 Museum St., London, W.C.1, England. Distributed in the United States by the World Peace foundation, 40 Mount Vernon St., Boston, Mass.)

"The object of the present article is to present, in as systematic a form as possible, the essential elements of the available statistical information on wages and hours of work in the cotton and woolen

textile industries in recent years in the principal countries which produce these goods. Statistical data have been collected for 14 countries: some important countries (Belgium, France, U.S.S.R.) have unfortunately had to be omitted, in the absence of representative or sufficiently recent data. The other countries not included in the tables are as a rule of only relatively secondary importance.

"The various data available have been arranged in two series of tables. The first series (table I) shows in detail the amount of wages and hours of work at a given date, varying from country to country but in no case earlier than 1929; the second series (table II) illustrates the general movement of wages in the textile industry over the period 1927-1933."

Welsh, Michael. Whither are we going? An earnest discussion, by a textile manufacturer, of the textile labor problems induced by Section 7-A, and the changes needed. *Cotton [Atlanta]* 98(12): 43-43, illus. Dec. 1934. (Published by W. R. C. Smith Publishing Co., Atlanta, Ga.)

Wigglesworth, A. Progress in use and production of sisal. *Textile Manfr.* 60(717): 372. Sept. 1934. (Published by Emmott & Co., Ltd., 31, King St. West, Manchester, 3, England)

"By the use of new machinery or ionised oils, or fibres from selected plants, sisal can be spun into finer yarns, and it is finding new uses."

Supply and Movement

Adler, Benjamin. Brazil and cotton. *Cotton Digest* 7 (10): 4-5. Dec. 15, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

The writer discusses the prospects for cotton production in Brazil. His conclusions are based on visits to that country some years ago.

Ballou, H. A. The Dutch Leeward Islands. *Trop. Agr.* [Trinidad] 11(12): 317-320, tables. Dec. 1934. (Published by the Imperial College of Tropical Agriculture, St. Augustine, Trinidad, B.W.I.)

Discussion of the decline of cotton production is included.

Bruno, Alessandro. Problemi di organizzazione economica coloniale. *L'Africa Italiana* Bollettino della Societa Africana d'Italia 52(1/2): 44-70. Mar.-June 1934. (Published at Via Chiatamone, 6, Naples, Italy)

Problems of colonial economic organization.

Cotton production in African colonies and in other countries of the world is discussed.

[Clark, David] More about foreign cotton. Textile Bull. 47(15): 18-19. Dec. 13, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

The author concludes that "if cotton must be raised at a price which will not show a fair and adequate return to Southern farmers it will be well to allow other countries to raise it."

Cyprus. Department of agriculture. Annual report for the year 1933. 64pp., illus. Nicosia, 1934. Brief statistics, p. 9.

Dantas, Garibaldi. O beneficiamento do algodao no Brasil. Seus defeitos, sua evolucao. Algodoao 1 (1): 7-9, illus., tables. Nov. 1934. (Published at Rio de Janeiro, Brazil)

The improvement of cotton in Brazil. Its defects, its evolution.

Ferrero, R. A. Medidas necesarias para asegurar la calidad de nuestros algodones. Vida Agr. 11(132): 865-869. Nov. 1934. (Published at Lima, Peru)

Measures necessary for assuring the quality of our cotton.

Grades and staples disappointing. N. C. Cotton Grower 12(12): 4. Dec. 1934. (Published by the North Carolina Cotton Growers Cooperative Association, Fayetteville and Cabarrus St., Raleigh, N. C.)

North Carolina experiment station director, Dr. R. Y. Winter, agrees that "these disappointing samples were from cotton that had suffered from rust ... more prevalent in the Northeastern sections than ever before" due to "the fact that the continuous production of peanuts in some of the land has resulted in a deficiency of potash." Efforts will be made next year to overcome this deficiency.

Guedes, O. E. O algodao Norte-Riograndense. Algodoao 1(1): 15. Nov. 1934. (Published at Rio de Janeiro, Brazil)

Cotton of Rio Grande do Norte.

Describes encouraging results obtained from the harvest of the year of 1933 (July 1, 1933 to June 30, 1934), including favorable staple lengths and quality, ascertained by classing.

India. Punjab, Department of agriculture. Report on the season and crops for the agricultural year ending 30th June 1934. 5pp. xxii. Lahore, 1934.

Cotton acreage and yield statistics.

India. Sind. Annual report of the Department of agriculture ... for the year 1932-33. 135pp., tables. Bombay. 1934.

Partial contents: Cotton improvement, pp.14-19; Demonstration and propaganda towards the extended cultivation of improved cottons in the Barrage areas--Cotton Extension Scheme, financed by the Indian Central Cotton Committee, pp.53-56.

[Schoffelmayer, V. H.] Soviet cotton policy far-sighted. Cotton Digest 7(10): 12-13. Dec. 15, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

Report of impressions gained on a tour of the Union of Soviet Socialist Republics.

[Schoffelmayer, V. H.] Soviet cotton program analyzed. Cotton Digest 7(12): 12-13. Dec. 29, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

Vinson, Curtis. Japan as a raw cotton producer. Cotton and Cotton Oil News 35(50): 3-4. Dec. 15, 1934. (Published by Ginner and Miller Publishing Co., P.O. Box 444, Dallas, Tex.)

"Cotton cultivation within the Empire has been encouraged, especially in Korea, or Chosen, as it is now called. This program in recent months has been enlarged to include the new Empire of Manchoukuo where Japanese interests are dominant."

Prices

Cox, A. B. Do prices and benefit payments justify the cotton reduction program? Cotton Ginner's Jour. 6(3): 3-4, 11, chart. Dec. 1934. (Published at 109 Second Ave., Dallas, Tex.)

"It is the objective of this discussion to analyze the price of cotton over the past three years to determine first the extent and direction of the movement of cotton prices in terms of gold; second, the causes of dollar price changes that have occurred in the United States (1); and third, the extent to which cotton farmers have profited or lost by governmental action and policies."

[Marchant, T. M.] Print cloth mills lose 1 to 3 cents a pound. Amer. Wool & Cotton Rptr. 48(49): 19. Dec. 6, 1934. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Costs of raw cotton to mills last year and this year are compared.

Marketing and Handling Methods and Practices

Dawar, L. R. Market practices in the Punjab; being

a study of the practices affecting the producer in the grain and cotton markets, together with the rules and regulations governing similar practices under the Bombay and Berar market legislation. Inquiry conducted ... under the supervision of H. Calvert. India. Punjab. Bd. Econ. Inquiry Pub. 39, 85pp., tables. [Lahore] 1934.

Services and Facilities

Bohannon, C. D. The assembling of agricultural commodities by retailers. U.S. Dept. Com. Bur. of census. 15th Census of the United States. Census of distribution. Agr. commodity ser. A-205, 155pp., tables. Washington, D. C. 1933.

The number of stores reporting the assembling of cotton is given by kinds of stores, and by counties.

Butterworth, H. S. Manchester as cotton port: Direct shipments increasing. Economies recognised by spinners. Futures contract reform. Textile Mercury and Argus 41(2305): 487. Nov. 30, 1934. (Published at 41 Spring Gardens, Manchester, England)

Report of presidential address at annual meeting of Manchester Cotton Association.

[New Orleans cotton exchange. Board of directors] N.O. exchange. Annual report. Cotton Digest 7(8): 9-10. Dec. 1, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

Submitted to the members of the New Orleans Cotton Exchange at a meeting held November 26, 1934.

Reviews Bankhead and AAA regulations which curtailed cotton receipts at the port "to such an extent that an inordinately high basis has been the rule this fall," and which reduced the "burdensome carryover of American cotton." A summary is given of the amount of business in spots, futures, and cottonseed oil at New Orleans.

Also in Cotton Trade Jour. 14(48): 8. Dec. 1, 1934.

Schnitzer, G. E. Transporting the cotton. Amer. Railway Devlpmt. Assoc. Proc. 24: 50-63. June 15-17, 1932.

Market Geography

Garver, F. B., Boddy, F. M., and Nixon, A. J. The location of manufactures in the United States, 1899-1929. Minnesota. Univ. Employment Stabilization Research Inst. Bull. 2(6): 135-237, illus., tables, charts. Dec. 1933. (Published by the University of Minnesota Press, Minneapolis, Minn.)

The textile and clothing industries, pp. 186-213.

Wilson, E. M. Zagazig: A cotton market. Geogr. Rev.

24(4): 566-575, illus. Oct. 1934. (Published by the American Geographical Society, Broadway at 156th St., New York, N.Y.)

Describes reasons why Zagazig is one of the chief cotton markets of Egypt, including favorable cotton climate and soil in vicinity, methods and low cost of production, government aid, and facilities for marketing and financing cotton.

Cooperation in Marketing

Bohannon, C. D. Cooperatives as a factor in the distribution of agricultural commodities. U. S. Dept. Com. Bur. of Census. 15th Census of the United States: 1930. Census of distribution. Agr. Commodity Ser. A-206, 65pp., tables. Washington, D. C. 1934.

Cotton cooperatives, pp. 39-41.

Mr. Harrill writes to membership. Okla. Cotton Grower 15(4): 4. Dec. 15, 1934. (Published at 10 West Sixth St., Oklahoma City, Okla.)

Statement of the general manager of the Oklahoma Cotton Growers Association.

UTILIZATION

Fiber, Yarn, and Fabric Quality

Ahmad, Nazir. Technological reports on standard Indian cottons, 1934. Indian Central Cotton Com. Technol. Lab. Technol. Bull. (ser. A) 26, 36pp., tables. Bombay. 1934.

"It is the practice at the Technological Laboratory to subject the standard cottons of each season to a very thorough test for their fibre-properties and yarn characteristics. The Technological Reports included in the present bulletin contain the detailed results of these tests on standard cottons of eleven seasons, viz., 1923-34, together with the Agricultural Details, the Grader's valuation reports, and the Spinning Master's report on each cotton, while the objects and salient features of the various tests are described in the Introduction. Complete information as regards the treatment, waste percentages, yarn-breakages and the physical conditions prevailing in the Laboratory is also given in the reports."

American association of textile chemists and colorists. 1933 year book. 474pp., illus., tables. New York, Howes publishing co., inc., 1934.

Partial contents: Standard methods for determining the fastness of dyestuffs on the fiber, pp. 80-81;

Standard machine for laboratory washing tests-- the launder-o-meter, pp.82-84; Fastness tests for dyed or printed cotton, pp.85-92.

Boston. Better business bureau. A guide for retail store advertising. 52pp. Boston, Mass., 1932. Definitions of fabrics, pp.22-25.

Brandt, C. D. Cotton twists. Simple chart shows correct turns per inch almost instantly. Textile World 84(13): 2405-2406, charts. Dec.1934. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)
 "The findings here given are the final results of work based on the idea embodied in two previous articles appearing respectively in the Feb. 14 and May, 1934, issues of Textile World. The range of staple lengths used has now been extended sufficiently to permit the establishment of the general formulas and curves which accompany this discussion."

Braschler, E. Faserlängen-diagramme. Melliand Textilberichte 15(9): 393-398, table, charts. Sept. 1934. (Published at Heidelberg, Germany)
 Fiber-length diagram.

Brass, Kurt, and Lauer, Karl. Die aufnahme von oxyind amino-anthrachinonen durch baumwollzellulose. Kolloid Zeitschrift 67(3): 322-327, tables, charts. June 1934. (Published by Theodor Stein-kopff, Dresden and Leipzig, Germany)
 "The results of previous work on the absorption of hydroxyanthraquinones and α -aminoanthraquinones from alcoholic solution by cotton cellulose are confirmed and it is shown that these substances are particularly adapted to absorption in this manner. The influences of the position of the hydroxyl group, and of the nature of the substituent, are discussed." Jour. Textile Inst. 25(10): A513. Oct. 1934.

Clayton, F. H. The measurement of the air permeability of fabrics. Shirley Inst. Mem. 13(6): 101-117, illus., tables, charts. Nov.1934. (Published by the British Cotton Industry Research Association, Shirley Institute, Didsbury, England)
 References, p.117.

Dauphiné, André. Sur le mode de formation de la membrane pecto-cellulosique. Comptes Rendus Hebdomadiers des Séances de l'Académie des Sciences [Paris] 199(4): 307-309. (Published by Gauthier-Villars et Cie, Quai des Grands-Augustins, 55, Paris, France)
 Concerning the method of formation of the pecto-cellulose membrane.

[India. Indian central cotton committee. Technological laboratory] Commercial Indian 1934 cottons. Spinning results on some representative cottons of better class submitted by Indian trade associations. Textile Manfr. 60(717): 355, tables. Sept. 1934. (Published by Emmott & Co., Ltd., 31 King St. West, Manchester, 3, England)

Jones, H. L., and Smith, J. E. Colourimetric determination of pH and wetting agents, etc. Textile Manfr. 60(718): 424-425, tables. Oct. 1934. (Published by Emmott & Co., Ltd., 31, King St. West, Manchester, 3, England)

"The presence of wetting agents produces appreciable errors in the colourimetric determination of pH. The effects have been measured of surface-active solutions of textile assistants."

Kapadia, D. F. Studies in the sampling of yarns for the determination of strength property. Part I-- Frequency curves of strength tests by single thread, lea and ballistic methods of testing. Textile Inst. Jour. 25(11): T-355-T370, tables, charts. Nov. 1934. (Published at 16 St. Mary's Parsonage, Manchester, 3, England)

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The studies consisted of "80,000 single-thread tests 2,300 lea tests, and 2,200 ballistic tests ... made on yarns spun from different varieties of cotton."

Krüger, D., and Grunsky, H. Die veränderungen von zellulose durch alkalische lösungen. Melland Textilberichte 15(9): 405-408, tables, charts. Sept. 1934. (Published at Heidelberg, Germany)

Alteration of cellulose in alkaline solutions.

Kuhn, Werner. Über die gestalt fadenförmiger moleküle in lösungen. Kolloid Zeitschrift 68(1): 2-15, illus. July 1934. (Published by Theodor Steinkopff, Dresden and Leipzig, Germany)

"Statistical considerations are advanced concerning the shape assumed by chain-like molecules suspended in a solution or gas space, structure being governed by valency angles and free rotation. A probable form of the "fibre" molecule is that of a twisted ellipsoid with axes in the ratio 6: 2.3:1. Staudiner's conception of rigid, rod-like molecules is held to be destroyed by his own experimental evidence."-Jour. Textile Inst. 25(10): A514. Oct. 1934.

Lord, W. Yarn counts determination. A rational method. Textile Recorder 52(620): 24-25. Nov. 15, 1934. (Published at Old Colony House, Manchester, 2, England)

Morey, D. R. Dichroism of dyed fibres as a means of studying micellar arrangement. Textile Research 5(2): 105-109. Dec. 1934. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.)

"References", p.109.

The article discusses the use of the phenomenon of dichroism "as a quantitative tool for fiber structure studies, and its advantages and disadvantages when compared with the polarized fluorescence method."

Sobue, Hiroshi. Hydration of the fiber. III. Fluctuation of fiber length by the change of atmospheric humidity and its time lag. Cellulose Inst. Jour. 10 (7): 37-39. July 1934. (Published by Cellulose Institute, Department of Applied Chemistry, Faculty of Engineering, Tokyo Imperial University, Tokyo, Japan)

"Equations are deduced for the sorption of water by a fibre and the time lag in the fluctuation in the fibre length with change in atmospheric humidity, assuming the fibre to be a macroscopic homogeneous cylinder." - Jour. Textile Inst. 25(10): A501. Oct. 1934.

Womersley, J. R. Two nomograms for calculating the fluidity of cellulose solutions. Shirley Inst. Mem. 13(5): 95-100, charts. Nov. 1934. (Published by the British Cotton Industry Research Association, Shirley Institute, Didsbury, England)

References, p.100.

Technology of Manufacture

Baumann, Th. Procédé donnant au coton l'aspect du lin. Société Industrielle de Mulhouse, Bulletin 100(2): 112-113. Feb. 1934. (Published at Mulhouse, France)

Process giving cotton the appearance of linen.

Sealed note of 1920. Report on the process, by René Speitel, pp.112-113.

"The bath contains 64 g. H_2SO_4 (66°Bé) and 36 g. formol (40% CH_2O). The goods are treated for 10-15 sec. at 15°, washed, treated with dil. Na_2CO_3 , washed and dried. S. reports that the process had not been described in 1920 but has been used since." - Chem. Abs. 28(12): 3393. June 20, 1934.

Bothamley, J. Cooling after kier boiling. Textile Manfr. 60(717): 300. Sept. 1934. (Published by Emmott & Co., Ltd., 31, King St., Manchester, 3, England.)

Describes method of cooling from the bottom of the kier to eliminate staining and tendering of cotton goods.

Calculating the production of spinning mules. *Textile Recorder* 52(620): 21. Nov. 15, 1934. (Published at Old Colony House, Manchester, 2, England)

"The speed of mules is generally expressed in terms of complete draws of the carriage," sometimes given as so many draws per minute, other times, as the time in seconds for three draws, of which the latter method "is to be preferred." Timing with a stop watch for several three-draw periods is recommended and a formula for calculating production is given.

[Comer, Donald] Some points on waste prevention.

Textile Bull. 47(13): 12. Nov. 29, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

The article quotes from a communication to the Avondale group of mills in an effort to reduce waste in the mills. Cotton costs are mentioned.

Lipowsky, E. Versuche über den einfluss der streck-durchgangszahl auf faser und gespinst. *Melliand Textilberichte* 15(9): 391-393, tables. Sept. 1934. (Published at Heidelberg, Germany)

Experiments concerning the influence of the drawing-frame passage number on fiber and yarn.

Martin, H. D. The working points of cotton colored goods manufacturing. *Textile Colorist* 56(670): 668-669. Oct. 1934. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.)

Describes mechanical effect of the machine parts which contact raw cotton and yarn, from the cleaning to weaving processes.

Meynell, Henry. A high drafting development. *Textile Manfr.* 60(718): 410, 416. Oct. 1934. (Published by Emmott & Co., Ltd., 31, King St. West, Manchester, 3, England)

"Comments upon principles and mechanism in high-draft spinning of cotton."

Morecroft, J. Blowing room machinery. A survey of modern spinning preparation methods. *Textile Weekly* 14(353): 401-402, illus. Dec. 7, 1934. (Published at 49 Deansgate, Manchester, 3, England)

New Reeves variable speed spinning frame drives.

Textile Bull. 47(16): 7, illus. Dec. 20, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

"Practical". Machinery maintenance; renewing the

flats on a card. Textile Weekly 14(354): 432-433. Dec. 14, 1934. (Published at 49 Deansgate, Manchester, 3, England)

Procter-Clegg, M. A case for the automatic loom: and machine efficiency. Textile Mercury and Argus 91 (2384): 467, vii. Nov. 23, 1934. (Published at 41 Spring Gardens, Manchester, England)

"Abstract of paper read to the Manchester College of Technology Textile Society, on November 6."

Ratcliffe, A. Cotton blowing room equipment and organization. Most present blowing-room equipments could be improved, but even with modern machinery a great deal depends on the skill and care of the operative. Textile Manfr. 60(716): 309-310, table. Aug. 1934. (Published by Emmott & Co., Ltd., 31, King St. West, Manchester, 3, England)

Scott-Taggart, W. Is there real knowledge of cotton carding? Textile Manfr. 60(718): 394. Oct. 1934. (Published by Emmott & Co., Ltd., 31 King St. West, Manchester, 3, England)

"Doubt is cast upon the necessity for taking out waste by the flats. Rigid wire (metallic card clothing) is advocated for flats as well as other parts, avoiding fibre waste, and eliminating the necessity for stripping."

[Southern textile association. Northern North Carolina-Virginia division] Carding and spinning discussion at Danville meeting. Textile Bull. 47(14): 5-6, 8, 12, 18, 24. Dec. 6, 1934. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

Report of meeting of December 1, 1934.

Among topics discussed were: Quality of the present crop, percentage of neps that should be removed by lappers, and stripping and cleaning in card room.

Also reported in Textile World 84(13): 2401. Dec. 1934; Amer. Wool and Cotton Rptr. 48(50): 7-8, 16. Dec. 13, 1934.

[Szymowski, K., and co., Ltd.] Machine that finds correct roller settings, drafts and weights. Ingenious device to aid the spinner. Textile Mercury and Argus 91(2380)(Sup.): 33. Oct. 26, 1934. (Published at 41, Spring Gardens, Manchester, England)

"Known as the 'Distanceur' (System Litty) and the invention of a Leipzig engineer, Paul Litty, this remarkable apparatus makes it possible to determine in a few minutes the correct roller settings, drafts and weights from drawing frames to spinning frames and to make tests of all qualities and mixtures of cotton."

Also in Textile Manfr. 60(716): 415-416. Oct. 1934.

[Textile operating executives of Georgia] Georgia mill men discuss problems of slashing and weaving departments. Cotton [Atlanta] 98(12): 57-63. Dec. 1934. (Published by W. R. C. Smith Publishing Co., Atlanta, Ga.)

Report of meeting held November 10, 1934.

[Tweedales and Smalley, Ltd.] Detail developments in cotton opening. Textile Manfr. 60(716): 319, 324, illus., diagrs. Aug. 1934. (Published by Emmott & Co., Ltd., 31, King St. West, Manchester, 3, England)

"Refinements in cotton opening and cleaning, for increased cleaning and regularity and reduced labour demands, comprise new arrangements on the porcupine opener, a double-hopper feeder, adjustable grid bars on the Crighton, and other new details."

Wilson, Hamlet. Erecting cotton spinning plant. VII. The Buckley or large cylinder opener. Textile Weekly 14(352): 374, 376, illus. Nov. 30, 1934. (Published at 49 Deansgate, Manchester, 3, England)

Yarn production simplified by new high draft cotton spinning system. Textile Mercury and Argus 91 (2381): 397. Nov. 2, 1934. (Published at 41 Spring Gardens, Manchester, England)

The illustration shows "Meynell's W. T. R. high draft system."

Technology of Consumption

Brosnan, W. F. Fireproofed textiles. Textile World 84(13): 2399-2400. Dec. 1934. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

The importance of fireproofing cotton textiles and the relative efficiencies of various fireproofing chemical salts are discussed.

Cotton waste in the light of recent research. Textile Recorder 52(620): 20-21. Nov. 15, 1934. (Published at Old Colony House, Manchester, 2, England)

Describes various sources, ultra violet and infra red ray examination, and uses of cotton waste.

Heated textiles. Fabrics have been used to hold heat--Now they radiate it. Textile Recorder 52 (620): 29. Nov. 15, 1934. (Published at Old Colony House, Manchester, 2, England)

Lists uses for recently patented "threads or yarns composed partially of wire and partially of textile fibres, but which are endowed with characteristics of appearance, softness, flexi-

bility, give, and resistance to kinking and snarling fairly comparable to like threads or yarns composed entirely of textile fibres."

Scott, C. L. Quality guides in buying ready-made dresses. U.S. Dept. Agr. Leaflet 105, 8pp. [Washington, D.C.] 1934. Cotton, pp.2-3.

United States Department of agriculture. Bureau of home economics. Report of the Chief of the Bureau of home economics, 1934. 13pp. Washington, D.C. 1934. Textiles and clothing, pp.10-13.

COTTONSEED AND COTTONSEED PRODUCTS

American institute of home grown fats and oils. What about oleomargarine? 12pp., tables. Washington, D.C. 1934.

The quantity of cottonseed oil used in oleomargarine and the competition of foreign oils are discussed.

American oil chemists' society. Color committee. Report of...1933-1934. Oil & Soap 11(7): 135. July 1934. (Published by the Gillette Publishing Co., 400 W. Madison St., Chicago, Ill.)

American oil chemists' society. Minutes of the 25th annual meeting... May 31-June 1, 1934. New Orleans, La. Oil & Soap 11(7): 149-151. July 1934. (Published by the Gillette Publishing Co., 400 W. Madison St., Chicago, Ill.)

Bertino, Joaquin. A industria do óleo de algodão no Brasil. Algodão 1(1): 17. Nov. 1934. (Published at Rio de Janeiro, Brazil)

The cotton oil industry in Brazil.

Halverson, J. O., and Smith, F. H. Extraction of gossypol from cottonseed meal. Effect of moisture and repeated extraction with ether by different procedures. Indus. and Engin. Chem. (Analyt. ed.) 6(5): 356-357, table, charts. Sept. 15, 1934. (Published at Mills Bldg., Washington, D. C.)

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"Published with the approval of the director of the North Carolina Experiment Station as Paper 80 of the Technical Series."

James, E. M. A new continuous process for the refining of vegetable oil. Oil & Soap 11(7): 137-138. July 1934. (Published by the Gillette Publishing Co., 400 W. Madison St., Chicago, Ill.)

McLinney, R. S., and Jamieson, G. S. Some additional factors affecting the accuracy of the free fatty acid determination as applied to cottonseed analysis. Oil and Soap 11(9): 191-192, tables. Sept. 1934. (Published by the Gillette Publishing Co., 400 W. Madison St., Chicago, Ill.)

National cottonseed products association, inc. Changes in rules. Oil & Soap 11(7): 145. July 1934. (Published by the Gillette Publishing Co., 400 W. Madison St., Chicago, Ill.)

The revision of Rule 270, section 7, Free fatty acid, is given in full.

National cottonseed products association, inc. Rules governing transactions between members ... adopted at the thirty-eighth annual session of the association held at New Orleans, La., June 4, 5, and 6, 1934; with the charter and by-laws, list of standing committees, names of members and other information. [New Orleans, 1934]

Schwartz, A. K., and Freyer, Egbert. Interpretation of cottonseed oil mill products analysis. Oil & Soap 11(7): 138-139. July 1934. (Published by the Gillette Publishing Co., 400 W. Madison St., Chicago, Ill.)

Ward, A. L. Price of cottonseed cake. Amer. Cattle Producer 16(4): 14. Sept. 1934. (Published by the American National Live Stock Association Publishing Co., 515 Cooper Building, Denver, Colo.)

Prices of cottonseed and of cottonseed cake are discussed.

Weber, G. M. Legislative weapons in inter-industry competition--oils and fats. Harvard Business Rev. 13(1): 72-81, table. Oct. 1934. (Published by McGraw-Hill Book Co., 330 West 42d St., New York, N.Y.)

Includes effects of the tariff and other legislation on the use of cottonseed oil.

[Williams, C. B.] Exchanging cottonseed for meal. Cotton Oil Press 13(8): 10. Dec. 1934. (Published at Memphis, Tenn.)

"North Carolina agronomist informs cotton growers of relative values in exchanging commodities."

LEGISLATION, REGULATION, AND ADJUDICATION

Butler, Eugene. Here and there and other places.

State fair exhibit vividly pictured cotton production program results. *Prog. Farmer* (Tex. ed.) 49(12): 5, 29, illus. Dec. 1934. (Published at 1102 Insurance Bldg., Dallas, Tex.)

Describes the cotton control exhibit at the Texas State Fair.

Butler, Eugene. What's new in agriculture? Compulsory cotton control up to producers. *Prog. Farmer* (Carolinas-Va. ed.) 49(12): 12. Dec. 1934. (Published at Raleigh, N. C.)

Comment on the coming vote on continuance of the Bankhead Act.

Also in other editions of *Progressive Farmer* for Dec. 1934.

Carload cotton rates. *Traffic World* 54(19): 779-781.

Nov. 10, 1934. (Published at 418 So. Market St., Chicago, Ill.)

Interstate Commerce Commission examiners, G. H. Mattingly and Claude A. Rice in report "No. 26235, cotton from and to points in the southwest and Memphis, Tenn.," give their divergent conclusions on the subject of "lawfulness of the rates, rules, regulations and practices applicable to the transportation" of cotton, in carloads.

Cason, C. E. The cotton kingdom views its new rules.

Literary Digest 118(23): 24. Dec. 8, 1934. (Published at 354-360 Fourth Ave., New York, N.Y.)

"Dissatisfied Southern tenant-farmers and renters call AAA projects 'legalized robbery,' term Bankhead law 'blunder.'"

Commission of inquiry into national policy in international economic relations. International economic relations. Report. 397pp., tables.

Minneapolis, Minn. Univ. of Minnesota press, 1934.

The effect on the cotton industry of national policy is discussed on pp. 28-30, and, in the report of the hearings, by the following persons:

A. B. Cox, Victor Scheffelmayer, Peter Molyneaux, F. A. Briggs, H. J. Hutton, George Scaly, at Houston, May 7, 1934, pp. 375-383; and by C. O. Moser and Walter Parker at New Orleans, May 8, 1934, pp. 335-389. The following memoranda are included: The position of American cotton in the world market, by W. L. Clayton, pp. 183-195; The cotton problem, by W. M. Garrard, pp. 322-324; The position of American cotton in the world market, by C. T. Rovore, pp. 340-343.

Cotton farmers to vote on Bankhead Act; impartial attitude of the administration. Tex. Grower and

Vallcy Farmer 7(9): 3,7. Dec.1934. (Published at Corpus Christi, Tex.)

Includes a discussion of the application and benefits of the processing tax.

Cox, A. B. Cotton. Tex. Business Rev.8(10): 4-5. Nov.28, 1934. (Published by Bureau of Business Research, University of Texas, Austin, Tex.)

The author declares that "the emergency cotton program must: (1) provide means for restoring export markets for American cotton; (2) eliminate the processing tax to restore the domestic market for cotton goods on a basis of fair competition with other textiles; (3).relieve the unbearable tariff burden now being carried by cotton growers; (4) restore hundreds of thousands of farm families to homes on farms with a prospect of making a decent living; (5) bring about better farm management practices on cotton farms to prevent overproduction and provide additional cash enterprises."

How improve production control. Prog. Farmer (Tex. ed.) 49(12): 3. Dec.1934. (Published at 1104 Insurance Bldg., Dallas, Tex.)

Changes to improve the Bankhead Act are suggested.

Hutson, L. C. The cotton industry should have a definite program to offer. Cotton and Cotton Oil News 35(48): 4, 12. Dec.1,1934. (Published by Ginner and Miller Publishing Co., P. O.Box 444, Dallas, Tex.)

The author holds that "adjustment of our tariff walls is the first and long-time remedy" needed. He objects to the Clair-McDonald plan of domestic allotment on the grounds that "fair and equitable distribution of the allotment to the different farms" could not be obtained. He holds that the Farmers' Union plan of domestic allotment has an unsound price fixing feature. He is opposed to any curtailment of production, because foreign growths will thereby permanently displace American cotton in the world market. The only remedy, he thinks, is to allow farmers to plant as much as they wish, and rely on a processing tax to serve as a protective tariff, "the full amount of the processing tax, less the expenses incident to operating and collecting same," to be paid the farmer as a bonus at the end of the year.

Jordan, Harvie. Organization of farmers upon a sound economic basis of business operations. Old system of individualism untenable and disastrous; Bankhead law unpopular. South. Cultivator 92(11): 2,6. Nov. 1,1934. (Published by Constitution Publishing Co.,

Atlanta, Ga.)

The author states that the Bankhead law is unpopular with many farmers.

Jordan, Harvie. Reconstruction of cotton growing industry. Manufrs. Rec. 103(12): 20-21, 66, 68, illus. Dec. 1934. (Published at Commerce and Water Sts., Baltimore, Md.)

The author commends the principle of acreage reduction, protests unjust features of the Bankhead control act, and appeals for rescinding of process fees. He suggests improved methods of farming and baling, and points out the need for permanent Federal loans to growers on stored and insured bales.

Kerr, T. H. The South contemplates suicide. Cotton and Cotton Oil News 35(49): 4-5. Dec. 8, 1934. (Published by Ginner and Miller Publishing Co., P.O. Box 444, Dallas, Tex.)

"Written September 2, 1931."

The author forecasts the results of legislation reducing acreage.

Lordan, F. P. Passing glory of the South. Cotton Digest 7(12): 5-7. Dec. 29, 1934. (Published at 702 Cotton Exchange Bldg., Houston, Tex.)

The author discusses the cotton situation which has led to the organization of the Cotton Industries Employees Association to urge removal of government restrictions on cotton production.

McGowan, F. H. Reimbursing ginners for Bankhead expense favored by the Bankead (!) brothers. Cotton and Cotton Oil News 35(49): 12. Dec. 8, 1934. (Published by Ginner and Miller Publishing Co., P.O. Box 444, Dallas, Tex.)

[McLemore, T. H.] McLemore answers Clayton's article about "What is wrong with the cotton industry?" Okla. Cotton Grower 15(4): 2. Dec. 15, 1934. (Published at 10 West Sixth St., Oklahoma City, Okla.)

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"Nothing but approval was possible under the circumstances. Dale Miller explains why administration will gravely err if vote is construed as vindication of restriction policies."

[Molynaux, Peter. Cotton plans] Tex. Weekly 10(47): 1-3. Nov. 24, 1934. (Published at McKinney at Fair-

mount, Dallas, Tex.)

The author argues for changes in the AAA policy, criticizes the alternative Clair-McDonald plan, and hints at the need for tariff revision. "Neither the Cotton South nor the United States as a whole can be truly prosperous and maintain normal employment under a policy of economic nationalism, no matter how much the evils of this policy are mitigated by such devices as the domestic allotment." The criticisms of the AAA by Dr. T. O. Waltón, president of Texas A. & M. College, delivered "in an address before the Association of Land Grant Colleges and Universities at Washington" November 19, 1934 are quoted.

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The author makes "further suggestions for a settled cotton policy."

Richards, H. I. Cotton under the Agricultural adjustment act; developments up to July 1934. Brookings Institute (Pamphlet ser.) 15, 129pp., tables, charts. Washington, D. C. 1934.

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C O T T O N R E P O R T S

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UNITED STATES GOVERNMENT DEPARTMENTS

U.S. Department of Agriculture, Bureau of Agricultural Economics

Crop Reports (Summarized in Crops and Markets, which is issued monthly): to be issued May 22, July 3, Aug. 8, Sept. 9, Oct. 8, Nov. 8, Dec. 9, 1935.

Grade and Staple Reports:

Grade, Staple Length and Tenderability of Cotton Ginned in the United States: to be issued Apr. 12, 1935.

Weekly Grade and Staple Summary: issued Saturdays during height of ginning season, at Washington.

Weekly Grade and Staple Reports: issued Saturdays during height of ginning season, at Atlanta, Ga.; Memphis, Tenn.; Dallas, Austin, and El Paso, Tex.

Market News Reports:

American Cotton Linters Price Report: issued Wednesdays.

Daily Official Report of the Designated Spot Cotton Markets: issued from Atlanta, Ga.

Staple Cotton Premiums: issued daily and weekly (Saturday) from Atlanta, Ga.

Cotton Market Review: issued Saturdays, at Washington, D. C., Atlanta, Ga., and Memphis, Tenn.

World Cotton Prospects: issued monthly.

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Activity in the Cotton Spinning Industry: issued monthly, about the 20th. Cotton Consumed, on Hand, Imported and Exported, and Active Cotton

Spindles: issued monthly, about the 14th.

Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manufactured, Shipped out, on Hand and Exported: issued monthly about the 12th.

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Textile Raw Materials: issued weekly.

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